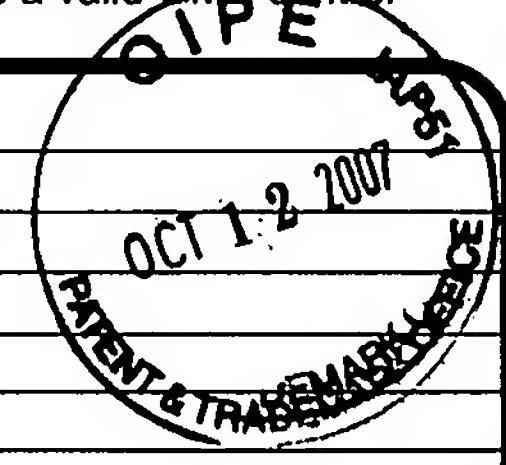


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Sheet	1	of	15		
				Application Number	10/588,718
				Filing Date	01/06/2005
				First Named Inventor	Ernst V. ARNOLD
				Art Unit	1616
				Examiner Name	Unassigned
				Attorney Docket Number	065611-0119

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
B1		2,635,978	04-21-1953	Massengale	
B2		2,954,314	09-27-1960	Metzger, et al.	
B3		3,309,373	03-14-1967	Danzig	
B4		4,954,526	09-04-1990	Keefer	
B5		5,039,705	08-13-1991	Keefer, et al.	
B6		5,155,137 A	10-13-1992	Keefer, et al.	
B7		5,208,233 A	05-04-1993	Keefer, et al.	
B8		5,212,204	05-18-1993	Keefer, et al.	
B9		5,250,550	10-05-1993	Keefer et al.	
B10		5,366,997	11-22-1994	Keefer et al.	
B11		5,374,710	12-20-1994	Tsien et al.	
B12		5,389,675	02-14-1995	Christodoulou et al.	
B13 xx		5,405,919	04-11-1995	Keefer et al.	
B14		5,482,925	01-09-1996	Hutsell	
B15		5,519,020	05-21-1996	Smith, et al.	
B16 xx		5,525,357	06-11-1996	Keefer et al.	
B17		5,536,723 A	07-16-1996	Loscalzo, et al.	
B18		5,574,068 A	11-12-1996	Stamler, et al.	
B19 xx		5,632,981	05-27-1997	Saavedra et al.	
B20		5,650,442	07-22-1997	Mitchell, et al.	
B21		5,650,447	07-22-1997	Keefer et al.	
B22 xx		5,665,077	09-09-1997	Rosen et al.	
B23 xx		5,676,963	10-14-1997	Keefer et al.	
B24		5,683,668	11-04-1997	Hrabie et al.	
B25 xx		5,691,423	11-25-1997	Smith et al.	
B26		5,698,738	12-16-1997	Garfield, et al.	
B27		5,700,830	12-23-1997	Korthuis et al.	
B28		5,714,511	02-03-1998	Saavedra et al.	
B29 xx		5,718,892	02-17-1998	Keefer et al.	
B30		5,721,365	02-24-1998	Keefer et al.	
B31		5,731,305	03-24-1998	Keefer et al.	
B32 xx		5,770,645	06-23-1998	Stamler, et al.	
B33		5,789,447	08-04-1998	Wink, Jr. et al.	
B34 xx		5,811,121 A	09-22-1998	Wu, et al.	
B35		5,814,656	09-29-1998	Saavedra et al.	
B36		5,814,666	09-29-1998	Green et al.	

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				First Named Inventor	Ernst V. ARNOLD
				Art Unit	1616
				Examiner Name	Unassigned
				Attorney Docket Number	065611-0119

U.S. PATENT DOCUMENTS				
		Document Number		
	B37	5,827,741	10-27-1998	Beattie, et al.
	B38	5,837,736	11-17-1998	Mitchell et al.
	B39	5,840,759	11-24-1998	Mitchell, et al.
	B40	5,910,316	06-08-1999	Keefer, et al.
	B41	5,958,427	09-28-1999	Salzman et al.
	B42	5,962,520	10-05-1999	Smith et al.
	B43	6,110,453	08-29-2000	Keefer et al.
	B44	6,147,068	11-14-2000	Smith et al.
	B45	6,200,558 B1	03-13-2001	Saaverdra et al.
	B46	6,218,016 B1	04-17-2001	Tedeschi, et al.
	B47	6,232,336	05-15-2001	Hrabie, et al.
	B48	6,232,434 B1	05-15-2001	Stamler, et al.
	B49	6,261,594 B1	07-17-2001	Smith et al.
	B50	6,270,779	08-07-2001	Fitzhugh et al.
	B51	6,290,981	09-18-2001	Keefer, et al.
	B52	6,359,182 B1	03-19-2002	Stamler, et al.
	B53	6,379,660	04-30-2002	Saavedra, et al.
	B54	6,410,622 B1	06-25-2002	Endres
	B55	6,451,337 B1	09-17-2002	Smith et al.
	B56	6,511,991 B2	01-28-2003	Hrabie, et al.
	B57	6,576,258 B1	06-10-2003	Kofler, et al.
	B58	6,610,660 B1	08-26-2003	Saavedra, et al.
	B59	6,673,891 B2	01-06-2004	Stamler et al.
	B60	6,703,046 B2	03-09-2004	Fitzhugh et al.
	B61	6,706,274 B2	03-16-2004	Herrmann et al.
	B62	6,737,447 B1	05-18-2004	Smith et al.
	B63	6,750,254 B2	06-15-2004	Hrabie et al.
	B64	6,855,366 B2	02-15-2005	Smith et al.
	B65	6,911,433 B2	06-28-2005	Saavedra et al.
	B66	6,911,478 B2	06-28-2005	Hrabie et al.
	B67	6,949,530 B2	09-27-2005	Hrabie et al.
	B68	6,951,902 B2	10-04-2005	McDonald et al.
	B69	7,105,502 B2	09-12-2006	Arnold et al.
	B70	7,122,529 B2	10-17-2006	Ruane et al.
	B71	7,135,189 B2	11-14-2006	Knapp
	B72	7,169,404 B2	01-30-2007	Hossainy et al.
	B73	2003/0147845 A1	08/07/2003	Saavedra, et al.
	B74	2005/0203069	09-15-2005	Arnold, et al.
	B75	2006/0008529 A1	01-12-2006	Meyerhoff et al.

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				Examiner Name	Unassigned
				Attorney Docket Number	065611-0119

U.S. PATENT DOCUMENTS				
		Document Number		
	B76	2007/0196327 A1	08/23/2007	Kalivretenos et al.

FOREIGN PATENT DOCUMENTS					
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	B77	WO 95/12394	05-11-1995	The United States of America	
	B78	WO 95/24908	09-21-1995	The United States of America	
	B79	WO 96/15781	05-30-1996	The United States of America	
	B80	WO 96/15797	05-30-1996	The United States of America	
	B81	WO 96/32136	10-17-1996	The United States of America	
	B82	WO 98/19996	05-14-1998	Children's Hospital Medical Center	
	B83	WO 99/01427	01-14-1999	The Government of the United States of America	
	B84	WO 99/33823	07-08-1999	Nycomed Imaging AS	
	B85	WO 01/26702 A2	04-19-2001	The University of Akron	
	B86	WO 01/85227 A2	11-15-2001	Medtronic Ave	
	B87	WO 02/41902 A1	05-30-2002	The University of Akron	
	B88	WO 2005/039664 A2	05-06-2005	Cube Medical A/S	
	B89	WO 2005/081752 A2	09/09/2005	Amulet Pharmaceuticals, Inc.	
	B90	WO 2005/081753 A3	09-09-2005	Noxilizer, Inc.	
	B91	WO 2006/037105 A2	04-06-2006	Government of the United States of America	
	B92	WO 2006/064056 A2	06-22-2006	NOLabs AB	
	B93	WO 2006/084909 A1	08-17-2006	NOLabs AB	
	B94	WO 2006/084910 A2	08-17-2006	NOLabs AB	
	B95	WO 2006/084911 A2	08-17-2006	NOLabs AB	
	B96	WO 2006/084912 A1	08-17-2006	NOLabs AB	
	B97	WO 2006/084913 A2	08-17-2006	NOLabs AB	
	B98	WO 2006/100154 A1	09-28-2006	NOLabs AB	
	B99	WO 2006/125016 A1	11-23-2006	The Governors of the University of Alberta	
	B100	WO 2006/128121 A2	11/30/2006	The University of North Carolina at Chapel Hill	
	B101	WO 2007/067477 A1	06-14-2007	The University of North Carolina at Chapel Hill	

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				Examiner Name	Unassigned
				Attorney Docket Number	065611-0119

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.			
	B102 xx	AHMADE et al., "Suberimidate Crosslinking Shows that a Rod-shaped, Low Cystine, High Helix Protein Prepared by Limited Proteolysis of Reduced Wool has Four Protein Chains," <u>FEBS Letters</u> , Oct. 1978, Vol. 94, No. 2, pp. 365-367, Elsevier/North-Holland Biomedical Press.			T ⁶
	B103 xx	AL-SA'DONI et al., "Neocuproine, a Selective Cu(I) Chelator, and the Relaxation of Rat Vascular Smooth Muscle by S-nitrosothiols," <u>British J. of Pharm.</u> , 1997, Vol. 121, pp. 1047-1050, Stockton Press.			
	B104	ANASTASIOU et al., "Aminosalicylate-Based Biodegradable Polymers: Syntheses and <i>in vitro</i> Characterization of Poly(anhydride-ester)s and Poly(anhydride-amide)s," <u>J. of Polymer Science: Part A: Polymer Chemistry</u> , 2003, Vol. 41, pp. 3667-3679, Wiley Periodicals, Inc.			
	B105 xx	ANNICH et al., "Reduced Platelet Activation and Thrombosis in Extracorporeal Circuits Coated with Nitric Oxide Release Polymers," <u>Crit. Care Med.</u> , 2000, Vol. 28, No. 4, pp. 915-920.			
	B106	ARNOLD et al., "Mechanistic Insight into Exclusive Nitric Oxide Recovery from a Carbon-bound Diazeniumdiolate," <u>Nitric Oxide</u> , 2002, Vol. 7, pp. 103-108, Academic Press.			
	B107	ARNOLD et al., "A Nitric Oxide-Releasing Polydiazeniumdiolate Derived from Acetonitrile," <u>Org. Lett.</u> , 2002, Vol. 4, No. 8, pp. 1323-1325, American Chemical Society.			
	B108	ARNOLD et al., "Reaction of Nitric Oxide with Benzyl Cyanide to Yield a Bis-diazeniumdiolated Imide," <u>Tetrahedron Lett.</u> , 2000, Vol. 41, pp. 8421-8424, Elsevier Science Ltd.			
	B109	ARNOLD et al., "Surprising Reactivity of C-based Diazeniumdiolats: Conversion of a Nitrile to an Imide and its Decomposition to Yield Nitric Oxide," (#111.) <u>Abstracts of Papers</u> , Part 1, 220 th ACS National Meeting, Aug. 20-24, 2000, Washington, D.C., American Chemical Society.			
	B110	ARULSAMY et al., "Dipotassium Ethane-1,1-diylbis(diazeniumdiolate) Monohydrate," <u>Acta Cryst.</u> , 2005, Section E61, pp m764-m766.			
	B111	ARULSAMY et al., "Disodium 3-oxobutane-2,2-diylbis-(diazeniumdiolate) Dihydrate," <u>Acta Cryst.</u> , 2005, Section E61, pp m838-m840.			
	B112	ARULSAMY et al., "Disodium 4-hydroxybutane-1,1-diylbis-(diazeniumdiolate) Sesquihydrate," <u>Acta Cryst.</u> , 2005, Section E61, pp m961-m963.			
	B113	ARULSAMY et al., "Multiplicity Control in the Polygeminal Diazeniumdiolation of Active Hydrogen Bearing Carbons: Chemistry of a New type of Trianionic Molecular Propeller," <u>J. Am. Chem. Soc.</u> , 2001, Vol. 123, No. 44, pp. 10860-10869, American Chemical Society.			

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	B114	ARULSAMY et al., "New Methanetrisdiazoniumdiolates," <u>Tetrahedron Lett.</u> , 2003, Vol. 44, pp. 4267-4269, Elsevier Science Ltd.			
	B115	ARULSAMY et al., "Synthesis of Diazoniumdiolates from the Reactions of Nitric Oxide with Enolates," <u>J. Org. Chem.</u> , 2006, Vol. 71, No. 2, pp. 572-581, American Chemical Society.			
	B116	ARULSAMY et al., "Traube's 'Oxazomalonic Acid' is a 3-Hydroxysyndone Carboxylate with an E-ONNO Geometry," <u>Angew. Chem. Int. Ed.</u> , 2002, Vol. 41, No. 12, pp. 2089-2091, Germany.			
	B117	ARULSAMY et al., "Tripotassium Carboxylatomethylenebis(diazonium-diolate) 2.5-Hydrate," <u>Acta Cryst.</u> , 2005, Section E61, pp. m930-m932.			
	B118 xx	ASKEW et al., "Chemical Mechanisms Underlying the Vasodilator and Platelet Anti-Aggregating properties of S-Nitroso-N-acetyl-DL-penicillamine and S-Nitrosoglutathione," <u>Bioorganic & Medicinal Chem.</u> , 1995, Vol. 3, No. 1, pp. 1-9, Elsevier Science Ltd., Great Britain.			
	B119 xx	AUSPRUNK et al., "Migration and Proliferation of Endothelial Cells in Preformed and Newly Formed Blood Vessels During Tumor Angiogenesis," <u>Microvascular Research</u> , 1977, Vol. 14, pp. 53-65, Academic Press Inc., Great Britain.			
	B120 xx	BARRETT et al., "Role of Calcium in Angiotensin II-Mediated Aldosterone Secretion," <u>Endocrine Reviews</u> , Nov. 1989, Vol. 10, No. 4, pp. 496-518, The Endocrine Society, U.S.A.			
	B121	BHAT et al., "N-Nitroso-N, O-dialkylhydroxylamines: preparation, structure, reaction," <u>J. Chem. Soc., Perkin Trans. 2</u> , 2000, pp. 1435-1446, The Royal Society of Chemistry.			
	B122 xx	BIERBAUM et al., "Growth of Self-Assembled n-Alkyltrichlorosilane Films on Si(100) Investigated by Atomic Force Microscopy," <u>Langmuir</u> , 1995, Vol. 11, No. 6, pp. 2143-2150, American Chemical Society.			
	B123	BOHLE et al., "Cyclohexadienone Diazoniumdiolates from Nitric Oxide Addition," <u>J. Org. Chem.</u> , 2000, Vol. 65, No. 18, pp. 5685-5692, American Chemical Society.			
	B124	BONIFANT et al., "Design and Synthesis of Arylated Diazoniumdiolates with Anti-leukemic Activity," (#292.), <u>Abstracts of Papers, Part 2, 221st ACS National Meeting</u> , Apr. 1-5, 2001, San Diego, CA, American Chemical Society.			

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	B125	CARRE et al., "Convenient Preparation of Functionalised Polymer-Based Resins via an Economical Preparation of Chloromethylated Polystyrene Resins (Merrifield Type)," <u>Org. Process Research & Development</u> , 2000, Vol. 4, No. 6, pp. 606-610, American Chemical Society and The Royal Society of Chemistry.	
	B126	CHARVILLE et al., "Reduced <i>Escherichia Coli</i> and <i>Staphylococcus Aureus</i> Adhesion via Xerogel-derived Nitric Oxide Release," <u>PMSE 410, Joint PMSE/POLY Poster Session</u> , The 232nd ACS National Meeting, Sep. 10-14, 2006, San Francisco, CA, (file://D:\232ND\PMSE\P1005084.HTM).	
	B127 xx	CHERNOFF et al., "The Cellular and Molecular Basis of the Platelet Storage Lesion: a Symposium Summary," <u>Transfusion</u> , 1992, Vol. 32, No. 4, pp. 386-390.	
	B128	DAVIES et al., "Diazzeniumdiolate Prodrug Activation in Model Membrane Systems," <u>INOR 138</u> , , The 232nd ACS National Meeting, Sep. 10-14, 2006, San Francisco, CA, (file://D:\232ND\INOR\P984797.HTM).	
	B129 xx	DE GROOTE et al., "NO Inhibitions: Antimicrobial Properties of Nitric Oxide," <u>CID</u> , 1995, Vol. 21 (Suppl 2), pp. S162-S165.	
	B130	DeROSA et al., "Nitric Oxide-Releasing Polymeric Materials Derived in Part From Acrylonitrile Monomer," (#247.) <u>Abstracts of Papers</u> , Part 2, 229 th ACS National Meeting, March 13-17, 2005, San Diego, CA, American Chemical Society.	
	B131 xx	DICKS et al., "Generation of Nitric Oxide from S-nitrosothiols using Protein-bound Cu ²⁺ Sources," <u>Chemistry & Biology</u> , 1996, Vol. 3, No. 8, pp. 655-659.	
	B132	DOBMEIER et al., "Nitric Oxide-Releasing Xerogel-Based Fiber-Optic pH Sensors," <u>Anal. Chem.</u> , Nov. 1, 2006, Vol. 78, No. 21, pp. 7461-7466.	
	B133 xx	ENDO K., "Chemical Modification of Metallic Implant Surfaces with Biofunctional Proteins (Part 1) Molecular Structure and Biological Activity of a Modified NiTi Alloy Surface," <u>Dental Materials J.</u> , 1995, Vol. 14, No. 2, pp. 185-198, Chemicon International Inc., Temecula (CA), Japan.	
	B134 xx	ESPEY et al., "A Chemical Perspective on the Interplay Between NO, Reactive Oxygen Species, and Reactive Nitrogen Oxide Species," <u>Ann. N.Y. Acad. Sci.</u> , 2002, Vol. 962, pp. 195-206, New York Academy of Sciences.	
	B135 xx	FERDINANDY et al., "Nitric Oxide, Superoxide, and Peroxynitrite in Myocardial Ischaemia-Reperfusion Injury and Preconditioning," <u>British J. of Pharm.</u> , 2003, Vol. 138, No. 4, pp. 532-543, Nature Publishing Group.	

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Sheet	7	of	15	Application Number	10/588,718
				Filing Date	01/06/2005
				First Named Inventor	Ernst V. ARNOLD
				Art Unit	1616
				Examiner Name	Unassigned
				Attorney Docket Number	065611-0119

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	B136	FLESER et al., "Nitric Oxide-Releasing Biopolymers Inhibit Thrombus Formation in a Sheep Model of Arteriovenous Bridge Grafts," <u>J. of Vascular Surgery</u> , Oct. 2004, Vol. 40, No. 4, pp. 803-811, The Society for Vascular Surgery.	
	B137**	FREEDMAN et al., "Glutathione Peroxidase Potentiates the Inhibition of Platelet Function by S-Nitrosothiols," <u>J. Clin. Invest.</u> , July 1995, Vol. 96, pp. 394-400, The American Society for Clinical Investigation, Inc.	
	B138**	GORDGE et al., "Role of a Copper (I)-Dependent Enzyme in the Anti-platelet Action of S-nitrosoglutathione," <u>British J. of Pharm.</u> , 1996, Vol. 119, pp. 533-538, Stockton Press.	
	B139	HOMER et al., "Cyclic GMP-Independent Relaxation of Rat Pulmonary Artery by Spermine NONOate, a Diazeniumdiolate Nitric Oxide Donor," <u>British J. of Pharm.</u> , 2000, Vol. 131, pp. 673-682, Macmillan Publishers Ltd.	
	B140	HRABIE et al., "Carbon-Bound Diazeniumdiolates from the Reaction of Nitric Oxide with Amidines," <u>J. Org. Chem.</u> , 2005, Vol. 70, No. 19, pp. 7647-7653, American Chemical Society.	
	B141	HRABIE et al., "Chemistry of the Nitric Oxide-Releasing Diazeniumdiolate ("Nitrosohydroxylamine") Functional Group and Its Oxygen-Substituted Derivatives," <u>Chem. Rev.</u> , 2002, Vol. 102, No. 4, pp. 1135-1154, American Chemical Society.	
	B142	HRABIE et al., "Conversion of Proteins to Diazeniumdiolate-Based Nitric Oxide Donors," <u>Bioconjugate Chem.</u> , 1999, Vol. 10, No. 5, pp. 838-842, American Chemical Society.	
	B143	HRABIE et al., "New Nitric Oxide-Releasing Zwitterions Derived from Polyamines," <u>J. Org. Chem.</u> , 1993, Vol. 58, No. 6, pp. 1472-1476, American Chemical Society.	
	B144**	HRABIE et al., "Reaction of Nitric Oxide at the β -Carbon of Enamines. A New Method of Preparing Compounds Containing the Diazeniumdiolate Functional Group," <u>J. Org. Chem.</u> , 2000, Vol. 65, No. 18, pp. 5745-5751, American Chemical Society.	
	B145**	JOURD'HEUIL et al., "Effect of Superoxide Dismutase on the Stability of S-Nitrosothiols," <u>Archives of Biochemistry and Biophysics</u> , Jan. 15, 1999, Vol. 361, No. 2, pp. 323-330, Academic Press.	
	B146**	JOURD'HEUIL et al., "Nitric Oxide and the Gut," (Small Intestine), <u>Current Gastroenterology Reports</u> , 1999, Vol. 1, pp. 384-388, Current Science Inc. (ISSN 1522-8037).	
	B147	JUN et al., "Nitric Oxide-Producing Polyurethanes," <u>Biomacromolecules</u> , 2005, Vol. 6, No. 2, pp. 838-844, American Chemical Society.	

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	B148 xx	KADER et al., "eNOS-Overexpressing Endothelial Cells Inhibit Platelet Aggregation and Smooth Muscle Cell Proliferation <i>in Vitro</i> ," <u>Tissue Engineering</u> , 2000, Vol. 6, No. 3, p. 241-251, Mary Ann Liebert, Inc.		T ⁶
	B149	KANO et al., "N-Nitrosohydroxylamines. 2. Thermal Decomposition of N,O-Dibenzyl-N-nitrosohydroxylamines," <u>J. Org. Chem.</u> , 1993, Vol. 58, No. 6, pp. 1564-1567, American Chemical Society.		
	B150	KATRITZKY et al., "Utilization of Pyridinium Salts as Microsensor Coatings," <u>Langmuir</u> , 1989, Vol. 5, pp. 1087-1092, American Chemical Society.		
	B151	KAUL et al., "Polymeric-Based Perivascular Delivery of a Nitric Oxide Donor Inhibits Intimal Thickening After Balloon Denudation Arterial Injury: Role of Nuclear Factor-kappaB," <u>JACC</u> , Feb. 2000, Vol. 35, No. 2, pp. 493-501, Elsevier Science Inc.		
	B152	KEEFER et al., "Chemistry of the Diazeniumdiolates," <u>Nitric Oxide: Biology and Chemistry</u> , 2001, Vol. 5, No. 4, pp. 377-394.		
	B153	KEEFER L., "Nitric Oxide (NO)- and Nitroxyl (HNO)-Generating Diazeniumdiolates (NONOates): Emerging Commercial Opportunities," <u>Current Topics in Medicinal Chemistry</u> , 2005, Vol. 5, No. 7, pp. 625-636, Bentham Science Publishers Ltd.		
	B154	KEEFER L., "Progress Toward Clinical Application of the Nitric Oxide-Releasing Diazeniumdiolates," <u>Annu. Rev. Pharmacol. Toxicol.</u> , 2003, (plus figures and table of contents), Vol. 43, pp. 585-607.		
	B155	KERN et al., "Durability of Resin Bonds to Pure Titanium," <u>J. of Prosthodontics</u> , Mar. 1995, Vol. 4, No. 1, pp. 16-22, American College of Prosthodontists.		
	B156 xx	KLINGER M., "The Storage Lesion of Platelets: Ultrastructural and Functional Aspects," <u>Ann. Hematol.</u> , 1996, Vol. 73, pp. 103-112, Springer-Verlag.		
	B157 xx	KOWALUK et al., "Metabolic Activation of Sodium Nitroprusside to Nitric Oxide in Vascular Smooth Muscle," <u>J. of Pharmacology and Experimental Therapeutics</u> , 1992, Vol. 262, No. 3, pp. 916-922, American Society for Pharmacology and Experimental Therapeutics, U.S.A.		
	B158	LeROY et al., "A Method for Studying Small Intestinal Transit in the Rat," <u>Anal N.Y. Academy of Sciences</u> , Fourth Colloquium in Biological Sciences: Blood-Brain Transfer, Jun. 14, 1988, Vol. 529, pp. 131-134.,		

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	B159 **	LIU et al., "S-Transnitrosation Reactions are Involved in the Metabolic Fate and Biological Actions of Nitric Oxide," <u>J. of Pharmacology and Experimental Therapeutics</u> , 1998, Vol. 284, No. 2, pp. 526-534, American Society for Pharmacology and Experimental Therapeutics, U.S.A.	
	B160	LOPEZ et al., "Novel Diazeniumdiolates Nitric Oxide Donors for Biomedical Applications," (#297.), <u>Abstracts of Papers</u> , Part 2, 224 th ACS National Meeting, Aug. 18-22, 2002, Boston, MA, American Chemical Society.	
	B161 **	MARLETTA et al., "Unraveling the Biological Significance of Nitric Oxide," <u>BioFactors</u> , 1990, Vol. 2, No. 4, pp. 219-225, Oxford University Press.	
	B162	MARXER et al., "Nitric Oxide Releasing Sol-Gel Materials: Toward Improved Subcutaneous Sensors," (#104.), <u>Abstracts of Papers</u> , Part 1, 222 nd ACS National Meeting, Aug. 26-30, 2001, Chicago, IL, American Chemical Society.	
	B163	MARXER et al., "Preparation of Nitric Oxide (NO)-Releasing Sol-Gels for Biomaterial Applications," <u>Chem. Mater.</u> , 2003, Vol. 15, No. 22, pp. 4193-4199, American Chemical Society.	
	B164	MARXER et al., "Sol-Gel Derived Nitric Oxide-Releasing Oxygen Sensors," <u>The Analyst</u> , 2005, Vol. 130, pp. 206-212, The Royal Society of Chemistry.	
	B165 **	McLAUGHLIN-BORLACE et al., "Bacterial Biofilm on Contact Lenses and Lens Storage Cases in Wearers with Microbial Keratitis," <u>J. of Applied Microbiology</u> , 1998, Vol. 84, pp. 827-838, The Society for Applied Microbiology.	
	B166 **	MERRIFIELD R., "Solid Phase Peptide Synthesis. I. The Synthesis of a Tetrapeptide," <u>Synthesis of a Tetrapeptide</u> , July 20, 1963, Vol. 85, pp. 2149-2154.	
	B167 **	MEYER et al., "Kinetics and Equilibria of S-nitrosothiol-thiol Exchange Between Glutathione, Cysteine, Penicillamines and Serum Albumin," <u>FEBS Letters</u> , 1994, Vol. 345, pp. 177-180, Federation of European Biochemical Societies.	
	B168	MEYERHOFF et al., "Enhancing the Biocompatibility and In Vivo Performance of Intravascular Chemical Sensors Using Nitric Oxide Release Polymers," (#132.), <u>Abstracts of Papers</u> , Part 1, 218 th ACS National Meeting, Aug. 22-26, 1999, New Orleans, LA, American Chemical Society.	
	B169 **	MOHANRAJ et al., "Phase-Transfer-Catalyzed Chlorination of Poly(<i>p</i> -methylstyrene)," <u>Macromolecules</u> , 1986, Vol. 19, pp. 2470-2472, American Chemical Society.	

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	B170 **	MONCADA et al., "Relationship Between Prostacyclin and Nitric Oxide in the Thrombotic Process," <u>Thrombosis Research Supplement XI</u> , 1990, pp. 3-13, Pergamon Press plc.				
	B171 **	MONCADA et al., "Nitric Oxide: Physiology, Pathophysiology, and Pharmacology," <u>Pharmacological Reviews</u> , 1991, Vol. 43, No. 2, pp. 109-142, The American Society for Pharmacology and Experimental therapeutics.				
	B172 **	MOORADIAN et al., "Nitric Oxide (NO) Donor Molecules: Effect of NO Release Rate on Vascular Smooth Muscle Cell Proliferation In Vitro," <u>J. Cardiovasc. Pharmacol.</u> , 1995, Vol. 25, No. 4, pp. 674-678, Raven Press, Ltd., NY				
	B173 **	MORLEY et al., "Mechanism of Vascular Relaxation Induced by the Nitric Oxide (NO)/Nucleophile Complexes, a New Class of NO-Based Vasocilators," <u>J. Cardiovasc. Pharmacol.</u> , 1993, Vol. 21, No. 4, pp. 670-676, Raven Press, Ltd, NY.				
	B174 **	MOWERY et al., "Preparation and Characterization of Hydrophobic Polymeric Films that are Thromboresistant Via Nitric Oxide Release," <u>Biomaterials</u> , 2000, Vol. 21, pp. 9-21, Elsevier Science Ltd.				
	B175	MOWERY et al., "More Biocompatible Electrochemical Sensors Through the Use of Combined Nitric Oxide Release/Ion Sensing Polymeric Films," (#339.), <u>Abstracts of Papers</u> , Part 2, 213 th ACS National Meeting, Apr. 13-17, 1997, San Francisco, CA, American Chemical Society.				
	B176	MOWERY et al., "Polymeric Diazeniumdiolates for Fabricating Thromboresistant Electrochemical Sensors Via Nitric Oxide Release," (#034.), <u>Abstracts of Papers</u> , Part 2, 216 th ACS National Meeting, Aug. 23-27, 1998, Boston, MA, American Chemical Society.				
	B177	NABLO et al., "In Vitro Cytotoxicity of Nitric Oxide-Releasing Sol-Gel Derived Materials," <u>Biomaterials</u> , 2005, Vol. 26, pp. 4405-4415, Elsevier Ltd.				
	B178	NABLO et al., "Nitric Oxide-Releasing Sol-Gels as Antibacterial Coatings for Orthopedic Implants," <u>Biomaterials</u> , 2005, Vol. 26, pp. 917-924, Elsevier Ltd.				
	B179 **	NABLO et al., "Sol-Gel Derived Nitric-Oxide Releasing Materials that Reduce Bacterial Adhesion," <u>J. Am. Chem. Soc.</u> , 2001, Vol. 123, No. 39, pp. 9712-9713, American Chemical Society.				
	B180 **	NEERGAARD L., "FDA Approves Stent that Emits Medication" <u>Milwaukee Journal Sentinel</u> , April 2003, 2 pages [retrieved online on 6/17/2007]. Retrieved from the Internet: <URL: http://findarticles.com/p/articles/mi_qn4196/is_20030425/ai_n10868900/print >.				

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	B181 **	OLIVER et al., "The Internal Calcium Concentration of Human Platelets Increases During Chilling," <u>Biochimica et Biophysica Acta</u> , 1999, Vol. 1416, pp. 349-360, Elsevier Science B.V.	
	B182 **	PALMER et al., "A Novel Citrulline-Forming Enzyme Implicated in the Formation of Nitric Oxide by Vascular Endothelial Cells," <u>Biochemical and Biophysical Research Communications</u> , Jan. 16, 1989, Vol. 158, No. 1, pp. 348-352, Academic Press, Inc.	
	B183 **	PARZUCHOWSKI et al., "Synthesis and Characterization of Polymethacrylate-Based Nitric Oxide Donors," <u>J. Am. Chem. Soc.</u> , 2002, Vol. 124, No. 41, pp. 12182-12191, American Chemical Society.	
	B184	PASSERINI, D., "The Design, Synthesis, and Characterization of Lung Specific Polyamine Diazeniumdiolates in the Treatment of Pulmonary Hypertension," <u>Dissertation Abstracts International</u> , Jan. 2000, Vol. 60, No. 7, pp. 3269-B (ISSN 0419-4217) (Order No. DA 9940593).	
	B185	RAO et al., "Poly(butanediol Spermate): A Hydrolytically Labile Polyester-Based Nitric Oxide Carrier," <u>J. Bioactive and Compatible Polymers</u> , Jan. 1999, Vol. 14, No. 1, pp. 54-63, Technomic Publishing Co. Inc.	
	B186 **	RAULLI R., "Inhibition of Human Platelet Aggregation by Diazeniumdiolates: Extent of Inhibition Correlates with Nitric Oxide Load Delivered," <u>J. Pharm. Pharmacol.</u> , 1998, Vol. 50, pp. 75-82.	
	B187	REYNOLDS et al., "Bis-diazeniumdiolates of Dialkyldiamines: Enhanced Nitric Oxide Loading of Parent Diamines," <u>Org. Lett.</u> , 2005, Vol. 7, No. 14, pp. 2813-2816, American Chemical Society.	
	B188	REYNOLDS et al., "Nitric Oxide Releasing Polyurethanes with Covalently Linked Diazeniumdiolated Secondary Amines," <u>Biomacromolecules</u> , 2006, Vol. 7, No. 3, pp. 987-994, American Chemical Society.	
	B189	SAAVEDRA et al., "Chemistry of the Diazeniumdiolates. O- versus N-Alkylation of the RNH[N(O)NO] ⁻ Ion," <u>J. Am. Chem. Soc.</u> , 2004, Vol. 126, No. 40, pp. 12880-12887, American Chemical Society.	
	B190	SAAVEDRA et al., "Conversion of a Polysaccharide to Nitric Oxide-Releasing Form. Dual-Mechanism Anticoagulant Activity of Diazeniumdiolated Heparin," <u>Bioorg. Med. Chem. Lett.</u> , 2000, Vol. 10, pp. 751-753, Elsevier Science Ltd.	
	B191	SAAVEDRA J., "Nitrogen-Based Diazeniumdiolates: Versatile Nitric Oxide-Releasing Compounds in Biomedical Research and Potential Clinical Applications," <u>J. Chem. Ed.</u> , Dec. 2002, Vol. 79, No. 12, pp. 1427-1434.	

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				Examiner Name	Unassigned
				Attorney Docket Number	065611-0119

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	B192	SAAVEDRA et al., "Synthesis of Labile Diazeniumdiolate Prodrugs for Controlled Delivery of Nitric Oxide," (#113.), <u>Book of Abstracts</u> , ACS National Meeting, Mar. 26-30, 2000, San Francisco.	
	B193	SAGIV J., "Organized Monolayers by Adsorption. I. Formation and Structure of Oleophobic Mixed Monolayers on Solid Surfaces," <u>J. Am. Chem. Soc.</u> , Jan. 2, 1980, Vol. 102, No. 1. pp. 92-98, American Chemical Society.	
	B194	SCHMELTZER et al., "Optimized Synthesis of Salicylate-based Poly(anhydride-esters)," <u>Polymer Bulletin</u> , 2003, Vol. 49, pp. 441-448, Springer-Verlag.	
	B195	SCHMIDT et al., "Determination of Nitrite and Nitrate by the Griess Reaction," <u>Methods in Nitric Oxide Research</u> , 1996, pp. 491-497, John Wiley & Sons.	
	B196	SCHWARTZ et al., "Drug-Eluting Stents in Preclinical Studies: Recommended Evaluation From a Consensus Group," <u>Circulation</u> (Journal of the American Heart Association), Oct. 1, 2002, pp. 1866-1873.	
	B197 **	SEKHAR et al., "Dimethyl Suberimidate as an Effective Crosslinker for Antibody-Enzyme Conjugation," <u>Preparative Biochemistry</u> , 1991, Vol. 21, No. 4, pp. 215-227, Marcel Dekker, Inc.	
	B198	SERHATKULU S., "Diazeniumdiolates of Chitosan Derivatives and Polyethyleneimine for Controlled Selective Delivery of Nitric Oxide," <u>Dissertation Abstracts International</u> , May 2000, Vol. 60, No. 11, pg. 5503-B (ISSN 0419-4217) (Order No. DA9951317)	
	B199	SHAMI et al., "Antitumor Activity of JS-K [O ² -(2,4-Dinitrophenyl) 1-[(4-Ethoxycarbonyl)piperazin-1-yl]diazen-1-ium-1,2-diolate] and Related O ² -Aryl Diazeniumdiolates in Vitro and in Vivo," <u>J. Med. Chem.</u> , 2006, Vol. 49, No. 14, pp. 4356-4366, American Chemical Society.	
	B200 **	SHENG et al., "Selective Functionalization of Poly(4-methylstyrene)," <u>Macromolecules</u> , 1997, Vol. 30, No. 21, pp. 6451-6457, American Chemical Society.	
	B201	SHOWALTER et al., "Potential Prodrugs of Nitric Oxide-Releasing Proli/NO," (#237.), <u>Abstracts of Papers</u> , Part 2, 227 th ACS National Meeting, Mar. 28-Apr. 1, 2004, Anaheim, CA, American Chemical Society.	
	B202	SHOWALTER et al., "Synthesis and Chemistry of Diazeniumdiolate Anions from Hindered Amines," <u>Abstracts of Papers</u> , Part 2, 225 th ACS National Meeting, Mar. 23-27, 2003, New Orleans, LA, American Chemical Society	
	B203 **	SILBERZAN et al., "Silanation of Silica Surfaces. A New Method of Constructing Pure or Mixed Monolayers," <u>Langmuir</u> , 1991, Vol. 7, No. 8, pp. 1647-1651, American Chemical Society.	

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	B204	SIM et al., "Solid-Phase C-Acylation of Active Methylene Compounds," <u>Tetrahedron Lett.</u> , 1998, Vol. 39, pp. 2195-2198, Elsevier Science Ltd..			T ⁶
	B205	SIMMONS M., "Transdermal Delivery of Nitric Oxide Via Diazeniumdiolates with Optimization and Penetration Enhancement Methods," <u>Dissertation Abstracts International</u> , July 1998, Vol. 59, No. 1, pg. 180-B (ISSN 0419-4217) (Order No. DA9821359).			
	B206	SMITH et al., "Transdermal Delivery of Nitric Oxide from Diazeniumdiolates," <u>J. Controlled Release</u> , 1998, Vol. 51, pp. 153-159, Elsevier Science B.V.			
	B207 xx	SNYDER E., "Activation During Preparation and Storage of Platelet Concentrates," <u>Transfusion</u> , 1992, Vol. 32, No. 6, pp. 500-502.			
	B208	SRINIVASAN et al., "Alkyltrichlorosilane-Based Self-Assembled Monolayer Films for Stiction Reduction in Silicon Micromachines," <u>J. Microelectromechanical Systems</u> , June 1998, Vol. 7, No. 2, pp. 252-260, a Joint IEEE/ASME Publication.			
	B209	STASKO et al., "Dendrimers as a Scaffold for Nitric Oxide Release," <u>J. Am. Chem. Soc.</u> , 2006, Vol. 128, No. 25, pp. 8265-8271, American Chemical Society.			
	B210	TIERNEY et al., "Prevention and Reversal of Experimental Posthemorrhagic Vasospasm by the Periadventitial Administration of Nitric Oxide from a Controlled-release Polymer," <u>Neurosurgery</u> , Oct. 2001, Vol. 49, No. 4, pp. 945-953.			
	B211 xx	TILLMAN et al., "Formation of Multilayers by Self-Assembly," <u>Langmuir</u> , 1989, Vol. 5, pp. 101-111, American Chemical Society.			
	B212 xx	TRAUBE von W., "Ueber Synthesen Stickstoffhaltiger Verbindungen mit Hülfe des Stickoxyds," pp. 81-128.			
	B213 xx	TRUJILLO et al., "Xanthine Oxidase-mediated Decomposition of S-Nitrosothiols," <u>J. Biological Chemistry</u> , Apr. 3, 1998, Vol. 273, No. 14, pp. 7828-7834, The American Society for Biochemistry and Molecular Biology, Inc.			
	B214	TUTUSAUS et al., "Kharasch Addition Catalysed by Half-Sandwich Ruthenium Complexes. Enhanced Activity of Ruthenacarboranes," <u>Tetrahedron Lett.</u> , 2003, Vol. 44, pp. 8421-8425, Elsevier Ltd.			
	B215 xx	ULMAN A., "Formation and Structure of Self-Assembled Monolayers," <u>Chem. Rev.</u> , 1996, Vol. 96, No. 4, pp. 1533-1554, American Chemical Society.			

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	B216	VERMA et al., "Nitric Oxide-Eluting Polyurethanes - Vascular Grafts of the Future?", <u>N. Engl. J. Med.</u> , Aug. 18, 2005, Vol. 353, No. 7, pp. 730-731, Massachusetts Medical Society.	
	B217	WANG et al., "Chemistry of the Diazeniumdiolates: Z \rightleftharpoons E Isomerism," <u>J. Am. Chem. Soc.</u> , 2005, Vol. 127, No. 15, pp. 5388-5395, American Chemical Society.	
	B218 **	WASSERMAN et al., "Structure and Reactivity of Alkylsiloxane Monolayers Formed by Reaction of Alkyltrichlorosilanes on Silicon Substrates," <u>Langmuir</u> , 1989, Vol. 5, no. 4, pp. 1074-1087, American Chemical Society.	
	B219 **	WINK et al., "Chemical Biology of Nitric Oxide: Regulation and Protective and Toxic Mechanisms," <u>Current Topics in Cellular Regulation</u> , 1996, Vol. 34, pp. 159-187, Academic Press, Inc.	
	B220 **	WINK et al., "Nitric Oxide Protects Against Cellular Damage and Cytotoxicity from Reactive Oxygen Species," <u>Proc. Natl. Acad. Sci. USA</u> , Nov. 1993, Vol. 90, pp. 9813-9817.	
	B221	WINKLER T., "Synthese und Untersuchung der NO-Freisetzungskinetik in wässrigen Medien und unter dem Einfluss von Cytochrom P-450-imitierenden biomimetischen Systemen" (Dissertation), 2006, Hamburg, pp. 1-221.	
	B222 **	WINOKUR et al., "Mechanism of Shape Change in Chilled Human Platelets," <u>Blood</u> , Apr. 1, 1995, Vol. 85, No. 7, pp. 1796-1804, The American Society of Hematology.	
	B223 **	WOLKERS et al., "From Anhydrobiosis to Freeze-drying of Eukaryotic Cells," <u>Comparative Biochemistry and Physiology</u> , Part A, 2002, Vol. 131, pp. 535-543, Elsevier Science Inc.	
	B224	YANG et al., "Microstamping of a Biological Ligand Onto an Activated Polymer Surface," <u>Adv. Mater.</u> , 2000, Vol. 12, No. 6, pp. 413-417, Wiley-Vch Verlag GmbH.	
	B225 **	YOSHIDA et al., "Thin Sol-Gel-Derived Silica Coatings on Dental Pure Titanium Casting", Department of Fixed Prosthodontics, Nagasaki University School of Dentistry, Nagasaki, Japan and Materials Section, Technology Center of Nagasaki, Omura, Japan, 1999, pp. 778-785, John Wiley & Sons, Inc. (CCC 0021-9304/99/060778-08)	
	B226 **	ZAI et al., "Cell-Surface Protein Disulfide Isomerase Catalyzes Transnitrosation and Regulates Intracellular Transfer of Nitric Oxide," <u>J. Clinical Investigation</u> , Feb. 1999, Vol. 103, No. 3, pp. 393-399.	

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	B227	ZHANG et al., "Nitric Oxide-Releasing Fumed Silica Particles: Synthesis, Characterization, and Biomedical Application," <u>J. Am. Chem. Soc.</u> , 2003, Vol. 125, No. 17, pp. 5015-5024, American Chemical Society.		T ⁶
	B228	ZHANG et al., "Nitric Oxide Releasing Silicone Rubbers with Improved Blood Compatibility: Preparation, Characterization, and In Vivo Evaluation," <u>Biomaterials</u> , 2002, Vol. 23, pp. 1485-1494, Elsevier Science Ltd.		
	B229	ZHANG et al., "Novel Silicone Materials with Improved Thromboresistance Via Nitric Oxide Release," (#251.), <u>Abstracts of Papers</u> , Part 2, 221 st ACS National Meeting, Apr. 1-5, 2001, San Diego, CA, American Chemical Society.		
	B230	ZHANG et al., "Polymer Films or Coatings Embedded with Nitric Oxide Releasing Fumed Silica Particles," (#8.), <u>Abstracts of Papers</u> , Part 2, 222 nd ACS National Meeting, Aug. 26-30, 2001, Chicago, IL, American Chemical Society.		
	B231	ZHANG et al., "Potentially More Blood Compatible Polymers Using Nitric Oxide Release Fumed Silica Fillers," (#40.), <u>Abstracts of Papers</u> , Part 2, 220 th ACS National Meeting, Aug. 20-24, 2000, Washington, DC, American Chemical Society.		
	B232	ZHOU et al., "Polymethacrylate-Based Nitric Oxide Donors with Pendant N-Diazeniumdiolated Alkyldiamine Moieties: Synthesis, Characterization, and Preparation of Nitric Oxide Releasing Polymeric Coatings," <u>Biomacromolecules</u> , 2005, Vol. 6, No. 2, pp. 780-789, American Chemical Society.		
	B233	ZHOU et al., "Preparation and Characterization of Polymeric Coatings with Combined Nitric Oxide Release and Immobilized Active Heparin," <u>Biomaterials</u> , 2005, Vol. 26, pp. 6506-6517, Elsevier Ltd.		

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